

C1805C103M5RACTM

Aliases (C1805C103M5RAC7025)

SMD Comm X7R, Ceramic, 0.01 uF, 20%, 50 VDC, X7R, SMD, MLCC, Temperature Stable, Class II, 1805



Click [here](#) for the 3D model.

Dimensions	
Chip Size	1805
L	4.5mm +/-0.5mm
W	1.27mm +/-0.38mm
T	0.9mm +/-0.10mm
B	0.6mm +/-0.35mm

Packaging Specifications	
Packaging	T&R, 180mm, Plastic Tape
Packaging Quantity	4000

General Information	
Series	SMD Comm X7R
Style	SMD Chip
Description	SMD, MLCC, Temperature Stable, Class II
Features	Temperature Stable, Class II
RoHS	Yes
Termination	Tin
Marking	Yes
AEC-Q200	No
Component Weight	41 mg
Shelf Life	78 Weeks
MSL	1

Specifications	
Capacitance	0.01 uF
Measurement Condition	1 kHz 1.0Vrms
Capacitance Tolerance	20%
Voltage DC	50 VDC
Dielectric Withstanding Voltage	125 VDC
Temperature Range	-55/+125°C
Temperature Coefficient	X7R
Capacitance Change with Reference to +25°C and 0 VDC Applied (TCC)	15%, 1kHz 1.0Vrms
Dissipation Factor	2.5% 1kHz 1.0Vrms
Aging Rate	3% Loss/Decade Hour: Referee Time is 1000 Hours
Insulation Resistance	100 GOhms

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